

WHAT IS CLAIMED IS:

1. A print system in which a printing apparatus prints by using print data which is sent by a printer driver which is made operative by an information processing apparatus, wherein said printer driver comprises:

information adding means for adding structure information of said print data to said print data which is sent; and

information sending means for sending said added structure information to said printing apparatus,

and said printing apparatus executes a printing process of said print data on the basis of said received structure information.

2. A system according to claim 1, wherein the information obtained by said printer driver during the generation of said print data is set to said structure information.

3. A system according to claim 1, wherein said printer driver analyzes said print data before said print data is sent to said printing apparatus, and said analyzed information is set to said structure information.

4. A system according to claim 1, wherein said

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information.

8. A system according to claim 1, wherein said structure information is information regarding right and left edges of the print data which is subsequently printed, and said printing apparatus prints on the basis of said structure information.

9. A system according to claim 1, wherein said printer driver can set a designated area of said structure information which is added to said print data on an arbitrary unit basis.

10. A system according to claim 1, wherein said information sending means sends said structure information to said printing apparatus prior to sending said print data, thereby allowing said printing apparatus to recognize a structure of the print data which is subsequently sent.

11. A system according to claim 10, wherein if data of a next page exists during the print of a present page, said printer driver notifies said printing apparatus of such a fact by said information sending means.

12. A system according to claim 11, wherein if

the data of the next page exists during the print of the present page, said printer driver notifies said printing apparatus of a print mode and a data structure of the next page as said structure information by said information sending means.

13. A system according to claim 12, wherein if it is possible to confirm that a printing operation which is being performed at present can be continuously executed from said notified contents, said printing apparatus subsequently executes a process of the next page.

14. A system according to claim 11, wherein if it is possible to confirm that it is difficult to continue the print and an error will occur from said notified contents, said printing apparatus causes an error prior to printing said page.

15. A printing method by which a printing apparatus prints by using print data which is sent by a printer driver which is made operative by an information processing apparatus, comprising the steps of:

adding structure information of said print data to said print data which is sent by said printer driver; sending said added structure information to said

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printing apparatus; and

executing a printing process of said print data by said printing apparatus on the basis of said received structure information.

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16. A method according to claim 15, wherein the information obtained by said printer driver during the generation of said print data is set to said structure information.

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17. A method according to claim 15, wherein said printer driver analyzes said print data before said print data is sent to said printing apparatus, and said analyzed information is set to said structure information.

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18. A method according to claim 15, wherein said printing apparatus analyzes said structure information sent by said printer driver, determines the number of nozzles which are used in the printing process, and executes the printing process by using nozzles of said determined number of nozzles.

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19. A method according to claim 18, wherein when said structure information is not sent, said printing apparatus analyzes said print data and prints.

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20. A method according to claim 15, wherein said structure information includes at least either information showing whether the print data which is subsequently printed is color data or monochrome data or information showing whether said color data and said monochrome data are adjacent to each other or not, and said printing apparatus prints on the basis of said structure information.

21. A method according to claim 15, wherein said structure information includes at least one of information showing on what number line from a present position the print data which is subsequently printed is generated, information showing from what number line color data starts, and information showing from what number line monochrome data starts, and said printing apparatus prints on the basis of said structure information.

22. A method according to claim 15, wherein said structure information is information regarding right and left edges of the print data which is subsequently printed, and said printing apparatus prints on the basis of said structure information.

23. A method according to claim 15, wherein said printer driver can set a designated area of said

structure information which is added to said print data on an arbitrary unit basis.

24. A method according to claim 15, wherein in
5 said step of sending said structure information, said structure information is sent to said printing apparatus prior to sending said print data, thereby allowing said printing apparatus to recognize a structure of the print data which is subsequently sent.

10 25. A method according to claim 24, wherein if data of a next page exists during the print of a present page, said printer driver notifies said printing apparatus of such a fact by said information
15 sending step.

26. A method according to claim 25, wherein if
the data of the next page exists during the print of the present page, said printer driver notifies said
20 printing apparatus of a print mode and a data structure of the next page as said structure information by said information sending step.

27. A method according to claim 26, wherein if it
25 is possible to confirm that a printing operation which is being performed at present can be continuously executed from said notified contents, said printing

apparatus subsequently executes a process of the next page.

28. A method according to claim 25, wherein if it is possible to confirm that it is difficult to continue the print and an error will occur from said notified contents, said printing apparatus causes an error prior to printing said page.

29. An information processing apparatus for making a printer driver operative so as to generate print data and sending said generated print data to a printing apparatus, comprising:

information adding means for adding structure information of said print data to the print data which is sent by said printer driver; and

information sending means for sending said added structure information to said printing apparatus,

wherein said printing apparatus is allowed to execute a printing process of said print data on the basis of said sent structure information.

30. A printing apparatus for printing by using print data which is sent by a printer driver which is made operative by an information processing apparatus, comprising:

information receiving means for receiving

structure information added to the print data which is sent by said printer driver; and

print processing means for performing a printing process of said print data on the basis of said

5 received structure information.

31. A printer driver program which is made operative by an information processing apparatus, generates print data, and sends it to a printing apparatus, comprising:

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an information adding step of adding structure information of said print data to said print data which is sent; and

an information sending step of sending said added structure information to said printing apparatus,

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wherein said printing apparatus is allowed to execute a printing process of said print data on the basis of said received structure information.

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